

PS320

High Impact Extrusion

Technical Data Sheet

Applications

- Packaging
- Toys & Games
- Food Service
- Thermoforming

Properties

- Ease of Processing
- Matte Surface Finish
- Good Printability
- Good Low Temp Toughness

PROPERTIES

VALUE

METHOD

PROPERTIES	VALUE	METHOD
Melt Flow (gm/10 min)	3.0	ASTM D1238
Specific Gravity	1.03	ASTM D792
Tensile Strength ⁽¹⁾ , 2 in/min (psi)	2750	ASTM D638
Tensile Modulus ⁽¹⁾ , 2 in/min (psi)	235500	ASTM D638
Tensile Elongation ⁽¹⁾ , 2 in/min (%)	74	ASTM D638
Flexural Strength ⁽²⁾ , 0.1 in/min (psi)	4600	ASTM D790B
Flexural Modulus ⁽²⁾ , 0.1 in/min (psi)	239000	ASTM D790B
Notched Izod at 73°F ⁽¹⁾ , (ft-lb/in)	2.1	ASTM D256
Vict Softening Temp. ⁽²⁾	212	ASTM D1525
Deflection Temp. Under Load ⁽²⁾⁽³⁾ (F°)	185	ASTM D648
Mold Shrinkage, 24 hours (in/ in)	0.004-0.008	ASTM D955

FDA

This material complies with FDA regulations in 21 CFR, section 177.1640.

Notes

- (1) Thickness of samples tested, 0.125 inch.
- (2) Thickness of samples tested, 0.250 inch.
- (3) Testing condition is at 264 psi.

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